

Interoffice Memorandum

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Product Development
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TABLE OF CONTENTS

ORTHODONTIC PRODUCTS	4
A. NEW PRODUCT DEVELOPMENT ACTIVITIES	4
<u>TYPE I (Built In-House)</u>	4
AI-1. <i>Alexander Spirit</i> Brackets	4
AI-2. Self-Ligating Brackets (Dr. Wildman)	4
AI-3. <i>Alexander</i> Flat Bow Retainer Wires with Omega Loops	4
AI-4. AEZ Instruments	5
a. Flush-Cut Distal-End Cutter	5
AI-5. Textured Molar Bands	5
AI-6. Burstone <i>Orthos</i> Cuspid Brackets with Horizontal Tube	5
AI-7. Molded Mini-Stick <i>Power Os</i>	5
AI-8. Bite Turbo Bracket	6
AI-9. Tooth Shaped Pad	6
AI-10. <i>Orthos-AD</i> Alexander Discipline Appliance System	6
AI-11. Mandibular Anterior Repositioning Appliance (Dr. Eckhart)	7
AI-12. Low Cost RPE	7
AI-13. <i>Orthos</i> Carriere Bracket	7
AI-14. <i>Orthos</i> Lip Bumper	8
AI-15. <i>Orthos</i> Weldable Bicuspid	8
<u>TYPE II (Outside Vendor)</u>	8
<u>TYPE III (Product Modifications)</u>	8
B. RESEARCH AND EXPLORATORY PRODUCT INVESTIGATIONS	8
<u>TYPE I (Built In-House)</u>	8
BI-1. <i>Orthos-AD/AP</i> Alexander Discipline Asian Prescription Appliance System	8
BI-2. <i>CustomR_x</i> Custom Labial Appliance System	9
BI-3. <i>CustomR_x</i> Custom Lingual Appliance System	9
BI-4. Adhesive Pre-Coated Brackets	10
BI-5. Moisture-Resistant Adhesive	10
BI-6. Wedge-Shaped Neck Strap (Dr. Alexander)	10
BI-7. <i>Orthos</i> CM_F in Spirit MB	11
BI-8. <i>Orthos</i> Adjustable Placement Gauge	11
BI-9. <i>Orthos</i> AD in Spirit MB	11
BI-10. Aluminum Bracket	12
BI-11. Ni-Ti Ligaturless Bracket	12
BI-12. Titanium Brackets	12
BI-13. Titanium Buccal Tubes	13
BI-14. Titanium Bands	13
BI-15. Material Research	13
BI-16. Uni-Bracket Packaging	13
BI-17. Ormco Class II Jumper	14
BI-18. <i>Wildman</i> Lingual Bracket	14
BI-19. Arch Measuring Template	14
BI-20. Takemoto Lingual Appliance	15
BI-21. Single-Piece Bracket	15
BI-22. Titanium Alloy Wire	15
BI-23. Power Chain Dispensing System	16
BI-24. Occlusally Offset Molar Pads	16

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BI-25. Improved Power Chain	16
BI-26. Gold Arches	16
BI-27. MARA Three Jaw Plier	17
BI-28. MARA Torque Tool	17

TYPE II (Outside Vendor)

BII-1. Reverse-Curve <i>Copper Ni-Ti</i> Archwires	17
BII-2. Disinfectant Solution	18
BII-3. Titanium Buccal Tube - MIM Process	18

C. PRODUCT IMPROVEMENT / MANUFACTURING SUPPORT ACTIVITIES **18**

C-I. <i>AOA</i> (Laboratory) Engineering Support	18
C-II. CE Marking	19
C-III. Bracket Placement Process Improvement	20
C-IV. Gold Bracket Alternative Vendor	20
C-V. AEZ / ETM Instrument Support	20
C-VI. Improved Optimesh	20

D. OTHER DEPARTMENT ACTIVITIES **21**

D-I. Capital Appropriation Requests	21
D-II. Custom Braze	21

ENDODONTIC PRODUCTS **21****A. RESEARCH AND EXPLORATORY PRODUCT INVESTIGATIONS** **21**

AI-1. Post Remover Kit	21
AI-2. Buchanan Hand Plugger	22

ORTHODONTIC PRODUCTS**B. RESEARCH AND EXPLORATORY PRODUCT INVESTIGATIONS****TYPE I** (Built In-House)**BI-2. CustomRx CUSTOM LABIAL APPLIANCE SYSTEM** (Project 853-E Craig Andreiko/Eric Chapoulaud)**a. Lab Reopening** (Craig Andreiko)**1) Accomplishments / Status**

- ☒ Completed a first draft of a schedule leading to 5 clinical cases using 3D Jigs

2) Goals For March

- ☐ Review the plan draft.

3) Major Project Milestones

- ⊙ To be set according to the plan review

b. 3D Digitizing (Eric Chapoulaud)**1) Accomplishments / Status**

- ☒ 3D Scanning of the upper jaw of a P.K THOMAS model.
☒ Developed functions in the model acquisition application to position brackets on the scanned teeth. Using the STL files from Spirit brackets, an appliance was set-up on the P.K. THOMAS model, and the corresponding wire was mathematically computed.

2) Goals For March

- ☐ According to the plan draft, we will create a Set-up application allowing us to manually position wires, brackets and tube and calculate the corresponding appliance on the P.K. THOMAS upper model.
☐ Manufacture the Brackets and the wire
☐ Start the bracket attachment and tooth registration part of the 3D Jig

3) Major Project Milestones

- ⊙ To be set according to the plan review: (3D Jig Design Review: May 1997).

BI-3. CustomRx CUSTOM LINGUAL APPLIANCE SYSTEM (Project 953-E; Craig Andreiko/Eric Chapoulaud)**a. Accomplishments / Status****b. Goals For March****c. Major Project Milestone**

- ⊙ Re-evaluate project once 3D scanning & jig fabrication is completed.